

A & E Specification

OneLINK HDMI

Extension System for HDBT Cameras

North America: 999-1105-043

Europe and UK: 999-1105-143

Australia and New Zealand: 999-1105-943



Description

The camera extension system shall be designed for use in large facilities such as lecture halls, houses of worship, and performance venues. It shall extend the original siting and cabling distance for one RoboSHOT 20 UHD or other HDBT camera by 100 m (328 ft).

On the camera side, the system shall use a single Cat-5e (or better) cable to the camera for HDMI video, power network and control. On the control side, it shall provide Ethernet and RS-232 connectivity for control, HDMI video output, and an IR forwarding port.

Configuration and Control

It shall be possible to configure the extension system for HDBT cameras from a browser-based graphical user interface accessed through commonly used web browsers including the current and next most recent versions of Chrome®, Firefox®, Safari®, Internet Explorer®, and Microsoft® Edge.

An illuminated display on the front of the unit shall display the system's IP address and MAC address upon power-up.

It shall be possible to perform a hardware reset from the front panel of the system.

Installation Requirements

The extension system for HDBT cameras shall use standard Cat-5e/Cat-6/Cat-7 cables for network and RS-232 serial connections, and for the single cable to the camera. Maximum cable length for Cat-5e cables shall be 328 ft (100m).

The system shall include a universal DC power supply with appropriate AC cordset(s).

A rack mounting option shall be available for the system.

Specifications

Capabilities

Compatible cameras	RoboSHOT 20 UHD and other HDBT cameras	Video output from camera	HDMI resolutions up to 1080p/60
Power to camera	12 VDC, 3 Amp	OneLINK power supply	48 VDC, 1.36 Amp
Maximum cable length	328 ft (100m) using Cat-5e cable; shielded Cat-6 recommended where EMI/RF interference is an issue		

Physical and Environmental

Height	1.72 in. (44 mm)/1U	Operating temperature	0 °C to 40°C (32°F to 104°F)
Width	8.375 in. (213 mm)/half-rack	Operating humidity	20% to 80% RH (non-condensing)
Depth	6.00 in. (152 mm)	Storage temperature	0° to 40° C (32°F to 104°F)
Weight	1.55 lbs. (703 g)	Storage humidity	20% to 80% RH (non-condensing)